

ABSTRACT OF THE INVENTION

A memory module is provided using read only memory, nonvolatile reprogrammable memory, and random access memory. Initially, data is stored in the mask ROM. Updates to the data, including software or data updates or corrections, are stored in the nonvolatile reprogrammable memory. Locations of the data and the updated data are stored in the random access memory. To read the data, a controller first reads the random access memory to determine the location of the desired data and then reads the data from the location specified in the random access memory. The memory module can be used in consumer electronics, in which minor software updates are historically required, or where product enhancements can be easily implemented using revised software code or data.